

0590
0303

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/003,632B
Source: PIPE
Date Processed by STIC: 2/26/03

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

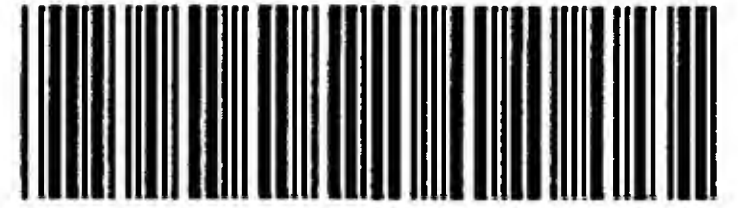
<http://www.uspto.gov/web/offices/pac/checker>

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Does Not Comply
Correction Needed

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/003,632B

DATE: 02/26/2003

TIME: 14:53:32

Input Set : A:\EP.txt

Output Set: N:\CRF4\02262003\J003632B.raw

3 <110> APPLICANT: Lee, Chichang; Ly, Celia; Moore, Gordon; Chi, Xiamei; Centocor, Inc.
 5 <120> TITLE OF INVENTION: Methods and Compositions for Enhanced Protein Expression
 and/or Growth of
 6 Cultured Cells Using Co-Transcription of a Bcl2 Encoding Nucleic Acid
 8 <130> FILE REFERENCE: CEN0269 PCT
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/003,632B
 11 <141> CURRENT FILING DATE: 2001-11-02
 13 <160> NUMBER OF SEQ ID NOS: 14
 15 <170> SOFTWARE: PatentIn Ver 3.1

ERRORED SEQUENCES

114 <210> SEQ ID NO: 3
 115 <211> LENGTH: 239
 116 <212> TYPE: PRT
 117 <213> ORGANISM: Homo sapiens
 119 <400> SEQUENCE: 3
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 121 1 5 10 15
 123 Lys Tyr Ile His Tyr Lys Leu Ser Gln Arg Gly Tyr Glu Trp Asp Ala
 124 20 25 30
 126 Gly Asp Val Gly Ala Ala Pro Pro Gly Ala Ala Pro Ala Pro Gly Ile
 127 35 40 45
 129 Phe Ser Ser Gln Pro Gly His Thr Pro His Pro Ala Ala Ser Arg Asp
 130 50 55 60
 132 Pro Val Ala Arg Thr Ser Pro Leu Gln Thr Pro Ala Ala Pro Gly Ala
 133 65 70 75 80
 135 Ala Ala Gly Pro Ala Leu Ser Pro Val Pro Pro Val Val His Leu Ala
 136 85 90 95
 138 Leu Arg Gln Ala Gly Asp Asp Phe Ser Arg Arg Tyr Arg Gly Asp Phe
 139 100 105 110
 141 Ala Glu Met Ser Ser Gln Leu His Leu Thr Pro Phe Thr Ala Arg Gly
 142 115 120 125
 144 Arg Phe Ala Thr Val Val Glu Glu Leu Phe Arg Asp Gly Val Asn Trp
 145 130 135 140
 147 Gly Arg Ile Val Ala Phe Phe Glu Phe Gly Gly Val Met Cys Val Glu
 E--> 148 ← 145 150 155 → 160 (numbering omitted)
 150 Ser Val Asn Arg Glu Met Ser Pro Leu Val Asp Asn Ile Ala Leu Trp
 E--> 151 165 170 175 180 delete
 153 Met Thr Glu Tyr Leu Asn Arg His Leu His Thr Trp Ile Gln Asp Asn
 E--> 154 180 185 190
 156 Gly Gly Trp Asp Ala Phe Val Glu Leu Tyr Gly Pro Ser Met Arg Pro
 E--> 157 195 200 205

*Amino numbering
misaligned*

*- use space bar instead
of tab key*

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Input Set : A:\EP.txt

Output Set: N:\CRF4\02262003\J003632B.raw

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159 Leu Phe Asp Phe Ser Trp Leu Ser Leu Lys Thr Leu Leu Ser Leu Ala
E--> 160      210      215      220
162 Leu Val Gly Ala Cys Ile Thr Leu Gly Ala Tyr Leu Ser His Lys
E--> 163 225      230      235
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179 <211> LENGTH: 175
180 <212> TYPE: PRT
181 <213> ORGANISM: Homo sapiens
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185 1      5      10      15
187 Phe Met Ala Cys Gly Leu Asn Glu Pro Glu Tyr Leu Tyr His Pro Leu
188      20      25      30
190 Leu Ser Pro Ile Lys Leu Tyr Ile Thr Gly Leu Met Arg Asp Lys Glu
191      35      40      45
193 Ser Leu Phe Glu Ala Met Leu Ala Asn Val Arg Phe His Ser Thr Thr
194      50      55      60
196 Gly Ile Asn Gln Leu Gly Leu Ser Met Leu Gln Val Ser Gly Asp Gly
E--> 197 65      70      75      180
199 Asn Met Asn Trp Gly Arg Ala Leu Ala Ile Leu Thr Phe Gly Ser Phe
200      85      90      95
202 Val Ala Gln Lys Leu Ser Asn Glu Pro His Leu Arg Asp Phe Ala Leu
203      100     105     110
205 Ala Val Leu Pro Val Tyr Ala Tyr Glu Ala Ile Gly Pro Gln Trp Phe
206      115     120     125
208 Arg Ala Arg Gly Gly Trp Arg Gly Leu Lys Ala Tyr Cys Thr Gln Val
209      130     135     140
211 Leu Thr Arg Arg Arg Gly Arg Arg Met Thr Ala Leu Leu Gly Ser Ile
212 145     150     155     160
214 Ala Leu Leu Ala Thr Ile Leu Ala Ala Val Ala Met Ser Arg Arg
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486 <211> LENGTH: 245 - found 345
487 <212> TYPE: PRT
488 <213> ORGANISM: Homo sapiens
490 <400> SEQUENCE: 12
491 Leu Ala Gln Arg Gly Gly Ala Arg Arg Pro Arg Gly Asp Arg Glu Arg
492 1      5      10      15
494 Leu Gly Ser Arg Leu Arg Ala Leu Arg Pro Gly Arg Glu Pro Arg Gln
495      20      25      30
497 Ser Glu Pro Pro Ala Gln Arg Gly Pro Pro Pro Ser Arg Arg Pro Pro
498      35      40      45
500 Ala Arg Ser Thr Ala Ser Gly His Asp Arg Pro Thr Arg Gly Ala Ala
501      50      55      60
503 Ala Gly Ala Arg Arg Pro Arg Met Lys Lys Lys Thr Arg Arg Arg Ser
504 65      70      75      80
506 Thr Arg Ser Glu Glu Leu Thr Arg Ser Glu Glu Leu Thr Leu Ser Glu
507      85      90      95
509 Glu Ala Thr Trp Ser Glu Glu Ala Thr Gln Ser Glu Glu Ala Thr Gln

```

delete 1

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DATE: 02/26/2003

TIME: 14:53:32

Input Set : A:\EP.txt

Output Set: N:\CRF4\02262003\J003632B.raw

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510          100          105          110
512 Gly Glu Glu Met Asn Arg Ser Gln Glu Val Thr Arg Asp Glu Glu Ser
513          115          120          125
515 Thr Arg Ser Glu Glu Val Thr Arg Glu Glu Met Ala Ala Ala Gly Leu
516          130          135          140
518 Thr Val Thr Val Thr His Ser Asn Glu Lys His Asp Leu His Val Thr
519 145          150          155          160
521 Ser Gln Gln Gly Ser Ser Glu Pro Val Val Gln Asp Leu Ala Gln Val
522          165          170          175
524 Val Glu Glu Val Ile Gly Val Pro Gln Ser Phe Gln Lys Leu Ile Phe
525          180          185          190
527 Lys Gly Lys Ser Leu Lys Glu Met Glu Thr Pro Leu Ser Ala Leu Gly
528          195          200          205
530 Ile Gln Asp Gly Cys Arg Val Met Leu Ile Gly Lys Lys Asn Ser Pro
531          210          215          220
533 Gln Glu Glu Val Glu Leu Lys Lys Leu Lys His Leu Glu Lys Ser Val
534 225          230          235          240
536 Glu Lys Ile Ala Asp Gln Leu Glu Glu Leu Asn Lys Glu Leu Thr Gly
537          245          250          255
539 Ile Gln Gln Gly Phe Leu Pro Lys Asp Leu Gln Ala Glu Ala Leu Cys
540          260          265          270
542 Lys Leu Asp Arg Arg Val Lys Ala Thr Ile Glu Gln Phe Met Lys Ile
543          275          280          285
545 Leu Glu Glu Ile Asp Thr Leu Ile Leu Pro Glu Asn Phe Lys Asp Ser
546          290          295          300
548 Arg Leu Lys Arg Lys Gly Leu Val Lys Lys Val Gln Ala Phe Leu Ala
549 305          310          315          320
551 Glu Cys Asp Thr Val Glu Gln Asn Ile Cys Gln Glu Thr Glu Arg Leu
552          325          330          335
554 Gln Ser Thr Asn Phe Ala Leu Ala Glu
E--> 555          340          345

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/003,632B

DATE: 02/26/2003

TIME: 14:53:33

Input Set : A:\EP.txt

Output Set: N:\CRF4\02262003\J003632B.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:148 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3
M:332 Repeated in SeqNo=3
L:197 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5
L:555 M:252 E: No. of Seq. differs, <211> LENGTH:Input:245 Found:345 SEQ:12
L:614 M:283 W: Missing Blank Line separator, <400> field identifier